

JC525
10/19/01
U.S. PTOPlease type a plus sign (+) inside this box +

PTO/SB/18 (08-00)

Approved for use through 10/31/2002 OMB 0651-0032

U S Patent and Trademark Office; U S DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No. 282.020
		First Named Inventor DAVID J. BEEBE ET AL
Title		METHOD AND APPARATUS FOR MONITORING THE ENVIRONMENT WITHIN A MICROFLUIDIC DEVICE
		Express Mail Label No. EL922961279US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. Applicant claims small entity status
See 37 CFR 1.27
3. Specification [Total Pages 17]
(preferred arrangement set forth below, MPEP 1503.01)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 16 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33 (b)
6. Application Data Sheet. See 37 CFR 1.76
7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 202318. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
- c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)
11. English Translation Document *(if applicable)*
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i) – Applicant must attach form PTO/SB/35 or its equivalent
17. Other: _____

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76

 Continuation Divisional Continuation-in-part (CIP) of prior application No: _____ / _____

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label <i>(Insert Customer Number or Bar Code Label here)</i>	or <input type="checkbox"/> Correspondence address below			
Name Peter C. Stomma	23598			
Address BOYLE, FREDRICKSON, NEWHOLM, STEIN & GRATZ, S.C.				
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Name (Print/Type) **Peter C. Stomma**Registration No. (Attorney/Agent) **36,020**Signature Date **October 19, 2001**

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Design, Washington, DC 20231.

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Christine Kuehne **10/19/01**



BOYLE
FREDRICKSON
NEWHOLM
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ELECTUAL PROPERTY LAW

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JC903 U.S. PRO
10/045937
10/19/01

October 19, 2001

Director of the U.S. of Patent
and Trademark Office
Box Patent Application
Washington, D.C. 20231

Re: Utility Patent Application
Inventor(s): David J. Beebe and Jaisree Moorthy
Title: *Method and Aparatus for Monitoring The Environment Within A Microfluidic Device*
USPTO Customer Account No.: 23598
Attorney Docket No.: 282.020

Dear Sir:

Enclosed is our check in the amount of \$433.00 in payment of the government filing fee for the enclosed United States patent application, which application includes 10 pages of specification, 27 claims on 6 sheets, 9 Drawings on 3 sheets, and an Abstract of the Disclosure. An unexecuted Declaration and Power of Attorney is also enclosed. The executed Declaration will be filed at a later date along with the late filing surcharge. A Utility Patent Application Transmittal and Fee Transmittal Form PTO/SB/17 (11/00) are also enclosed.

Applicant is a small entity within the meaning of 37 CFR §§ 1.9 and 1.27 and hereby claims small entity status.

Director of the U.S. Patent
and Trademark Office

October 19, 2001

Page 2

The Director is hereby authorized to charge payment of any additional fees
associated with this communication or credit any overpayment to Deposit Account
No. 50-1170.

Respectfully submitted,

Peter C. Stomma
Registration No. 36,020



Placed in the mail at the Post Office
23598

PATENT TRADEMARK OFFICE

Certification Under 37 CFR 1.10

Express Mail Label No: EL9229612790US

Date of Deposit: October 19, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Director of the U.S. Patent and Trademark Office, Box Patent Application, Washington, D.C. 20231.

Christine Kierzek
Christine Kierzek

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FEE TRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$433)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	David J. Beebe et al
Examiner Name	
Group Art Unit	

Attorney Docket No. 282.020

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to

Deposit Account Number 50-1170
Deposit Account Name Boyle Fredrickson Newholm Stein & Gratz S.C.

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status See 37 CFR 1.27

2. Payment Enclosed:

Check Credit Card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	370
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$370)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from Below	Fee Paid
27	-20**=	7	X 9 = 63
3	-3**=	0	X =
Multiple Dependent			=

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$63)

** or number previously paid, if greater. For Reissues, see above

3. ADDITIONAL FEES

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge – late filing fee or oath	
127	50	227	25	Surcharge – late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive – unavoidable	
141	1,240	241	620	Petition to revive – unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Peter C. Stomma	Registration No (Attorney/Agent)	36,020	Telephone	(414) 225-9755
Signature				Date	10/16/01

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